IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 4. (Canceled)

5. (Currently Amended) An isolated polypeptide selected from the group consisting of:

a) a polypeptide which is encoded by a nucleic acid molecule comprising a nucleotide sequence selected from the group consisting of the nucleotide sequence of SEQ ID NO:1 and SEQ ID NO:3;

b) a polypeptide comprising amino acid residues 1 to 350 of SEQ ID NO:2, wherein the polypeptide has [[a]] kinase activity; and

c) a polypeptide comprising an amino acid sequence at least 95% identical to SEQ ID NO:2, wherein the polypeptide has [[a]] kinase activity.

6. (Original) The polypeptide of claim 5 further comprising heterologous amino acid sequences.

7. – 11. (Canceled)

12. (Previously Presented) A method for identifying a compound which binds to a polypeptide comprising the steps of:

a) contacting the polypeptide of claim 5 with a test compound; and

b) determining whether the polypeptide binds to the test compound.

13. (Previously Presented) The method of claim 12, wherein the binding of the test compound to the polypeptide is detected by a method selected from the group consisting of:

a) detection of binding by direct detecting of test compound/polypeptide binding;

b) detection of binding using a competition binding assay; and

c) detection of binding using an assay for protein kinase-mediated phosphorylation.

14. (Canceled)

15. (Currently Amended) A method for identifying a compound which modulates ~~an~~ the activity of a polypeptide, comprising:

a) contacting the polypeptide of claim 5 with a test compound; and

b) determining the effect of the test compound on ~~an~~ the activity of the polypeptide to thereby identify a compound that modulates the activity of the polypeptide.

16. (Previously Presented) The method of claim 15, wherein the activity of the polypeptide is determined in a kinase assay using a protein or peptide capable of being phosphorylated.

17. – 20. (Canceled)

21. (Previously Presented) The polypeptide of claim 5, wherein the polypeptide comprises SEQ ID NO:2.

22. (Canceled)

23. (Previously Presented) The method of claim 12, wherein the polypeptide comprises the amino acid sequence of SEQ ID NO:2.

24. (Previously Presented) The method of claim 12, wherein the polypeptide is immobilized on a solid surface.

25. (Previously Presented) The method of claim 12, wherein the test compound is directly or indirectly labeled.

26. (Previously Presented) The method of claim 13, wherein the method comprises ATP binding to the polypeptide.

27. (Previously Presented) The method of claim 15, wherein the polypeptide comprises the amino acid sequence of SEQ ID NO:2.

28. (Previously Presented) The method of claim 16, wherein the protein or peptide capable of being phosphorylated has a T-P motif.

29. (Withdrawn) The method of claim 15, further comprising the step of contacting a cell comprising the polypeptide with the compound.

30. (Withdrawn) The method of claim 29, wherein the method determines apoptosis of the cell.

31. (Withdrawn) The method of claim 29, wherein the cell is selected from a group consisting of an epithelial cell and a tumor cell.

32. (Withdrawn) The method of claim 29, wherein the method determines the activity of a target molecule.

33. (Withdrawn) The method of claim 32, wherein the activity of the target molecule is selected from the group consisting of:

a) cellular second messenger activity,
b) catalytic/enzymatic activity,
c) reporter gene induction, and
d) cellular growth, differentiation or proliferation.

34. (Withdrawn) The method of claim 33, wherein the reporter gene induction follows activity selected from the group consisting of nuclear factor-kappaB activity and interleukin-8 activity.

35. (Previously Presented) An isolated polypeptide consisting of the amino acid sequence of SEQ ID NO:2.